

**DIAGNOSTIC ASSAYS FOR DETECTION OF
*CRYPTOSPORIDIUM PARVUM***

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ABSTRACT OF THE DISCLOSURE

This invention provides a novel *Cryptosporidium parvum* protein disulfide isomerase polypeptide, and nucleic acids that encode this polypeptide. The invention also provides methods, reagents, and kits that are useful for diagnosing infection by *Cryptosporidium parvum*. The methods are based on the discovery of binding agents, including recombinant polyclonal antibodies, that bind to the protein disulfide isomerase polypeptide of *C. parvum*.

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